

SECRET

ROUTING AND RECORD SHEET

INSTRUCTIONS: Officer designations should be used in the "TO" column. Under each comment a line should be drawn across sheet and each comment numbered to correspond with the number in the "TO" column. Each officer should initial (check mark insufficient) before further routing. This Routing and Record Sheet should be returned to Registry.

Project 2054

FROM: <i>Scl</i>			NO. <i>M-548</i>		
			DATE <i>3 June 52</i>		
TO	ROOM NO.	DATE		OFFICER'S INITIALS	COMMENTS
		REC'D	FWD'D		
1. <i>OC</i>				<i>[initials]</i>	<i>Follow this up phone. Get all info you can.</i>
2. <i>OC-2</i>				<i>[initials]</i>	
3. <i>OC-E</i>				<i>[initials]</i>	
4. <i>R+D - Preparation of reply</i>				<i>[initials]</i>	
5.					<i>Ple prepare a memo to Madwell, thanking him for interest and attention to problem on our behalf - then cite your help to Raytheon and participation in development phases of this project. Plus requesting a memo as to its usefulness under present signal planning procedures.</i>
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

JUN 4 1952
NCE2-33

2012/09/13 : CIA-RDP78-03535A001800010014-5

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(SENDER WILL CIRCLE CLASSIFICATION TOP AND BOTTOM)

CENTRAL INTELLIGENCE AGENCY
OFFICIAL ROUTING SLIP

TO		INITIALS	DATE
1	Assistant Director/Commo.		
2			
3			
4			
5			
FROM		INITIALS	DATE
1	Assistant Director/SI		
2			
3			

- ☐ APPROVAL
☐ ACTION
☐ COMMENT
☐ CONCURRENCE

- ☒ INFORMATION
☐ DIRECT REPLY
☐ PREPARATION OF REPLY
☐ RECOMMENDATION

- ☐ SIGNATURE
☐ RETURN
☐ DISPATCH
☐ FILE

REMARKS:

SECRET

CONFIDENTIAL

RESTRICTED

UNCLASSIFIED

SECURITY INFORMATION

Office Memorandum • UNITED STATES GOVERNMENT

TO : Assistant Director, Office of Communications DATE: JUN 3 1952

FROM : Assistant Director, Scientific Intelligence

SUBJECT: The Raytheon Propagation Frequency Evaluation Set AN/GPQ-3
(Communications Zone Indicator).

1. At the recent Airborne Electronics Conference, 12-14 May 1952 in Dayton, Ohio, a representative of the P&E Division, SI obtained information concerning the AN/GPQ-3 made by Raytheon, an equipment which may present a point of attack on some of the communications problems of common concern.

2. The following paragraph is quoted from a trip report on the Airborne Electronics Conference:

"This equipment, of which 3 prototypes have been made under an Air Force contract appears to offer a solution of propagation prediction for communications systems in the 5-30 mc/s band. The equipment allows instantaneous measurement of skip distance and consequent communications out to 2,000 miles (and out to 5,000 miles with higher powers). Although periodic charts for predicted ranges in the 5-30 mc/s band are currently available from the Bureau of Standards, these charts are frequently ineffective at a specific time and locality due to unpredictable and varying propagation conditions. Thus, communication on heavily loaded traffic circuits are frequently interrupted, sometimes at critical periods. By use of the COZI equipment, optimum communication frequencies can be determined at any given instant."

3. The AN/GPQ-3 has been discussed with [redacted] and it appears to have features which may be of specific interest in your work. It is recommended that it be further investigated to determine its applications to CIA problems.

25X1

25X1

[redacted]

H. MARSHALL CHADWELL

DOCUMENT NO. 18
NO CHANGE IN CLASS. IF
X DECLASSIFIED
CLASS. CHG. AUTH. TS S C
REVIEWED DATE: _____
AUTH. BY: _____
DATE: 4/12/90 REVIEWER: _____

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